

1	CCGGAGAGCCCGGAGTGAGTAGCGAGTCGGCAACCTCCAGGGGTACAAATATTCTGTCTCATTCAAAGACTAGCACCATGATCGAAA LahisSerLysThrArgThrAsnAspGlyLy	12
101	AATTACATACTCGGCTGGGGTCAAGGAAATATCAGATAAATATCTAAAGAGGAGATGGTGGAGACGATTAAAGATGGTTGTCAAACTTTTATGCATATC sileThrTyrProProGlyValLysGluileSerAspLysileSerLysGluGluMetValArgArgLeuLysMetValValLysThrPheMetAspMet	45
201	GACCAGGACTCTCAAGAAAGAAAGGAGCTTTATTTAAACCTAGCTTTACATCTTGETTCAGATTTTTTCTCAAGCATCTCGTAAACATGTTCCCTTAC AspGlnAspSerGluGluLysGluLeuTyrLeuAsnLeuAlaLeuHisLeuAlaSerAspPhePheLeuLysHisProGlyLysAspValArgLeu	79
301	TGGTAGCCTGCTGCTTGTGATATTTTACGATTTATGCTCTGAAGCTCTTACACATCCCTGATAAAGTAAAGGATATATTTATGTTTATAACAG euValAlaCysCysLeuAlaAspLepheArgileTyrAlaProGluAlaProTyrThrSerProAspLysLeuLysAspLepheMetPheleThrAr	112
401	ACAGTTCAAGGGCTAGAGGATACAAAGAGGCCACAATTCAATAGCTATTTTATTTACTTCAGAACATGGCTTGGGTCAAGTCATATAACATATGCTTT sglnLeuLysGlyLeuGluAspThrLysSerProGlnPheAsnArgTyrPheTyrLeuLeuGluAsnileAlaTrpValLysSerTyrAsnileCysPhe	145
501	CAGTTAGAAGATACCAATGAAATTTTACCAGCTATACAGAACCTTATTTTCAAGTTAAACAATGCCACAATCAGAAAGTCCATATGCACATGGTAG GluLeuGluAspSerAsnGluilePheThrGlnLeuTyrArgThrLeuPheSerValileAsnAsnGlyHisAsnGlnLysValHisMetHisMetValAla	179
601	ACCTTATGAGCTCTATTATTTGTGAAGGTGATACAGTGTCTCAGGAGCTTTTGGATACGGTTTACTAAATCTGGTACCTGCTATAAGAAATTTAAACA splMetSerSerileleCysGluGlyAspThrValSerGlnGluLeuLeuAspThrValLeuValAsnLeuValProAlaHisLysAsnLeuAsnly	212
701	GCAAGCATATGATTTGCCAAAGGCTTTACTGAAGAGGACAGCTCAAGCTATTGACCATATATTACCCTTTTTTAATCAGGTTCTGATGCTTGGGAAA sglnAlaTyrAspLeuAlaLysAlaLeuLeuLysArgThrAlaGlnAlaileGluProTyrileThrThrPhePheAsnGlnValileMetLeuGlyLys	245
801	ACATCTATCAGCATTGTCTCAGACCATGCTTTGACTTAATTTGGAGCTCTACAATATTGATAGTCATTTGCTGCTCTGTTTTACCCTCAGCTTCAAT ThrSerileSerAspLeuSerGluHisValPheAspLeuileLeuGluLeuTyrAsnileAspSerHisLeuLeuLeuSerValileProGlnLeuGlu	279
901	TTAAATTAAAGAGCAATGATTAATCAGGAGGCGCTACAAGTTGTTAAACTACTGGCAAAATGTTTGGGGCAAGGATTCAGAATTGCTTCTCAAAACA helLysLeuLysSerAsnAspAsnGluGluArgLeuGlnValValLysLeuLeuAlaLysMetPheGlyAlaLysAspSerGluLeuAlaSerGlnAsnly	312
1001	GCCACTTTGGCAGTGCTACTTGGCAGGTTAATGATATCCATGTACCAATCCGCTGGAAATGTGTGAAATTTGCTAGCCATTGTCTCATGACCATCT sProLeuTrpGlnCysTyrLeuGlyArgPheAsnAspLileHisValProileArgLeuGluCysValLysPheAlaSerHisCysLeuMetAsnHisPro	345
1101	GATTTAGCAAAAGACTTAAACAGATATCTTAAAGTACGCTCACATCACCCTCAGGAAGCTATTAGACATGATGTTATTTGTCTCAATAGTTACAGCTGTA AspLeuAlaLysAspLeuThrGluTyrLeuLysValArgSerHisAspProGluGluAlaileArgHisAspValileValSerileValThrAlaAla	379
1201	AAAAGGATATCTTCTGGTCAATGATCAGCTTACTTAATTTGTGAGAGAGAGAACATTAGACAAACGATCGAGAGTACGCAAGAGCCATGATGGGACT ysLysAspLileLeuLeuValAsnAspHisLeuLeuAsnPheValArgGluArgThrLeuAspLysArgTrpArgValArgLysGluAlaMetMetGlyLe	412
1301	TGCECAAAATTTATAAGAAATATGCTTACACTCAGCAGCTGGAAGATGCTGCAAAACAGATAGCATGGATCAAAGACAAATTCCTACATATATATT uAlaGlnileTyrLysLysTyrAlaLeuGlnSerAlaAlaGlyLysAspAlaAlaLysGlnileAlaTrpLileLysAspLysLeuLeuHisileTyrTyr	445
1401	CAAAATAGTATTGATCATCGACTACTTGTGAACGGATCTTGTCTCAATACATGGTCTCTCACAATTTAGAACTACAGAACGGATGAAATGCTTATATT GlnAsnSerileAspAspArgLeuLeuValGluArgilePheAlaGlnTyrMetValProHisAsnLeuGluThrThrGluArgMetLysCysLeuTyr	479
1501	ACTTGATGECACACTGGATTTAAATGCTGTGAAGCATTTGAATGAAATGTGAAATGTCAAATCTGCTCCGACATCAAGTAAAGGATTTGCTTCACTT yrLeuTyrAlaThrLeuAspLeuAsnAlaValLysAlaLeuAsnGluMetTrpLysCysGlnAsnLeuLeuArgHisGlnValLysAspLeuLeuAspLe	512
1601	GATTAAGCAAGCCAAACAGATGTCAGTGTCAAGGECATATTTTCAAAGTGATGGTTATACAAGAAATTTACCTGATCTGGTAAAGCTCAGGATTC uileLysGlnProLysThrAspAlaSerValLysAlailePheSerLysValMetValileThrArgAsnLeuProAspProGlyLysAlaGlnAspPhe	545
1701	ATGAAGAAATTCACACAGGTGTAGAGATGATGAGAAATAAGAAAGCAGTTAGAGTACTTGTAGTCCAACATGCTCTGCAAGCAGGCTCAAGGT MetLysLysPheThrGlnValileGluAspAspGluLysileArgLysGlnLeuGluValileuValSerProThrCysSerCysLysGlnAlaGluGlyC	579
1801	GTGTGGGTGAATAACTAAGAGTTGGGCAACCCCAACAGCTACAATTCCTTCTGCAAAATGATCAAGTTCTCTTGGAGAGGATAGCACTGTGCA ysValArgGluileThrLysLysLeuGlyAsnProLysGlnProThrAsnProPheLeuGluMetileLysPheLeuLeuGluArgileAlaProValHis	612
1901	CATAGATACCCAACTATCAGTGTCTTATTAACAAGTGAACAAATCAATAGATGCAACAGCAGATGATGAAGATGAGGGTGTTCACACTGATCAAGCC sileAspThrGluSerileSerAlaLeuileLysGlnValAsnLysSerileAspGlyThrAlaAspAspGluAspGluGlyValProThrAspGlnAla	645
2001	ATCAGAGCAGCTCTGAAGTCTTAAAGTACTCTCAATACAGATCCATCTCATTTCATTTCTGCTGAAACATTTCAATCAATTACTGGCTGTCTCAAAA sileArgAlaGlyLeuGluLeuLeuLysValLeuSerPheThrHisProileSerPheHisSerAlaGluThrPheGluSerLeuLeuAlaCysLeuLysM	679
2101	TGGATGATGAAAAAGTAGCAGAGTGCAGTACAATTTTCAAAACACAGGAAGCAAAATTTGAAGAGGATTTCCACACATCAGATCAGCCTTGTCTCC etAspAspGluLysValAlaGluAlaAlaLeuGlnilePheLysAsnThrGlySerLysileGluGluAspPheProHisileArgSerAlaLeuLeuPr	712
2201	TGTTTTACATCAAAATCTAAAAAGGACCCCGGTCAGGCCAAATATGCCATTTCATTGTATCCATCCGATATTTCTAGTAAAGAGACAGGTTTGG ovalLeuHisHisLysSerLysLysGlyProProArgGlnAlaLysTyrAlaileHisCysileHisAlailePheSerSerLysGluThrGlnPheAla	745
2301	CAGATATTGAGCCTCTGCATAAGAGCCTACATCAAGCAACCTGGAACATCTCATAACACCATTCGTTACTATTGGTCAATTTGCTCTCTTGCACCTG GlnilePheGluProLeuHisLysSerLeuAspProSerAsnLeuGluHisLeuileThrProLeuValThrileGlyHisileAlaLeuLeuAlaProA	779
2401	ATCAATTTGCTGCTCTTGGAAATCTTGGGTAGCTACTTTCATTTGTGAAGATCTTCTCATGAATGATCGGCTTCCAGGAAAAAGACAACTAACTTTG spGlnPheAlaAlaProTrpLysSerTrpValAlaThrPheileValLysAspLeuLeuMetAsnAspArgLeuProGlyLysLysThrThrLysLeuTr	812
2501	GTTTCCAGATGAAGAAGTATCTCTCAGACAATCGTCAAATTCAGGCTATTAAATGATGTTTCCATGCTTCCAAATGAAAAATAATCACAGTAA pValProAspGluGluValSerProGluThrMetValLysileGlnAlaileLysMetMetValArgTrpLeuLeuGlyMetLysAsnAsnHisSerLys	845
2601	TCAGGAATCTACCTTAAGATTGCTAACACAATATTGCTATGATGGAGACTTCAGACAACAGGGGAAATAGTAAACCATATGTCAGCTCTGA SerGlyThrSerThrLeuArgLeuLeuThrThrileLeuHisSerAspGlyAspLeuThrGluGlnGlyLysileSerLysProAspMetSerArgLeuA	879
2701	GACTTGCTGCTGGGAGTCTATTGTGAAGCTGGCACAAGAACCTGTTACCATGAATCATCATTAGAACCAATATCAGCTATGTCATTAGCTATCAA rgLeuAlaAlaGlySerAlaileValLysLeuAlaGlnGluProCysTyrHisGluileleThrLeuGluGlnTyrGlnLeuCysAlaLeuAlaileAs	912

FIG. 1-1

55
 LYLNLALH L A S D F F L K H P G K D V R L L V A C C L A D I F R I Y A P E A P Y T S P D K L K D I F M F I T R Q L K G L 161
 196 217 241 277
 L D T V L V N L V P A H K N L N K Q A Y D L L M L G K T S I S D L S E H V F D L I L E L Y N I D S H L L L S V L P Q L
 319 355 375 404
 L G R F N D I H V P I R L E C V K F A S H C L M N H P D L A K D L T E Y L V T A A K D I L L V N D H L L N F V R E R T L D K R W R V

FIG. 2

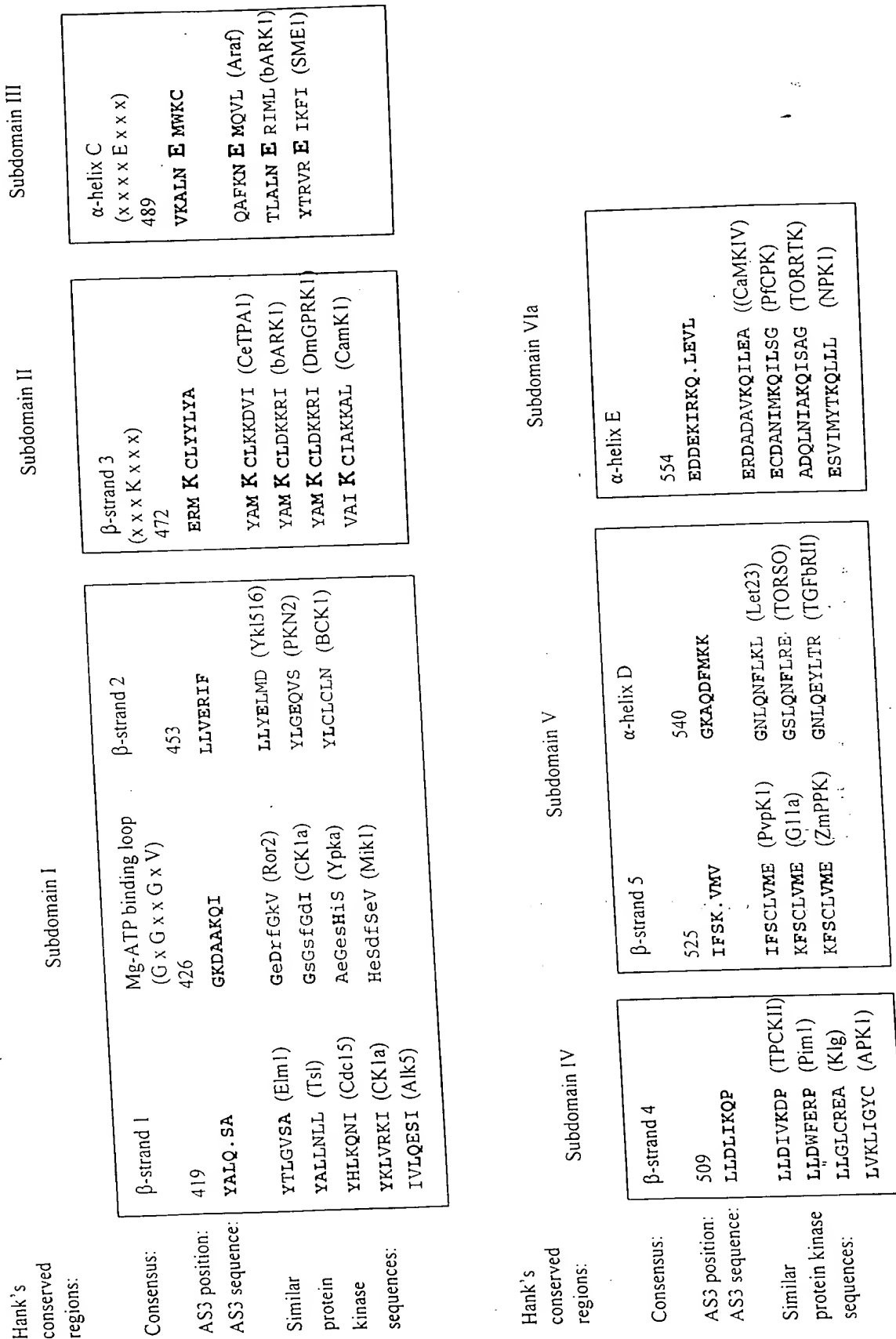


FIG. 3

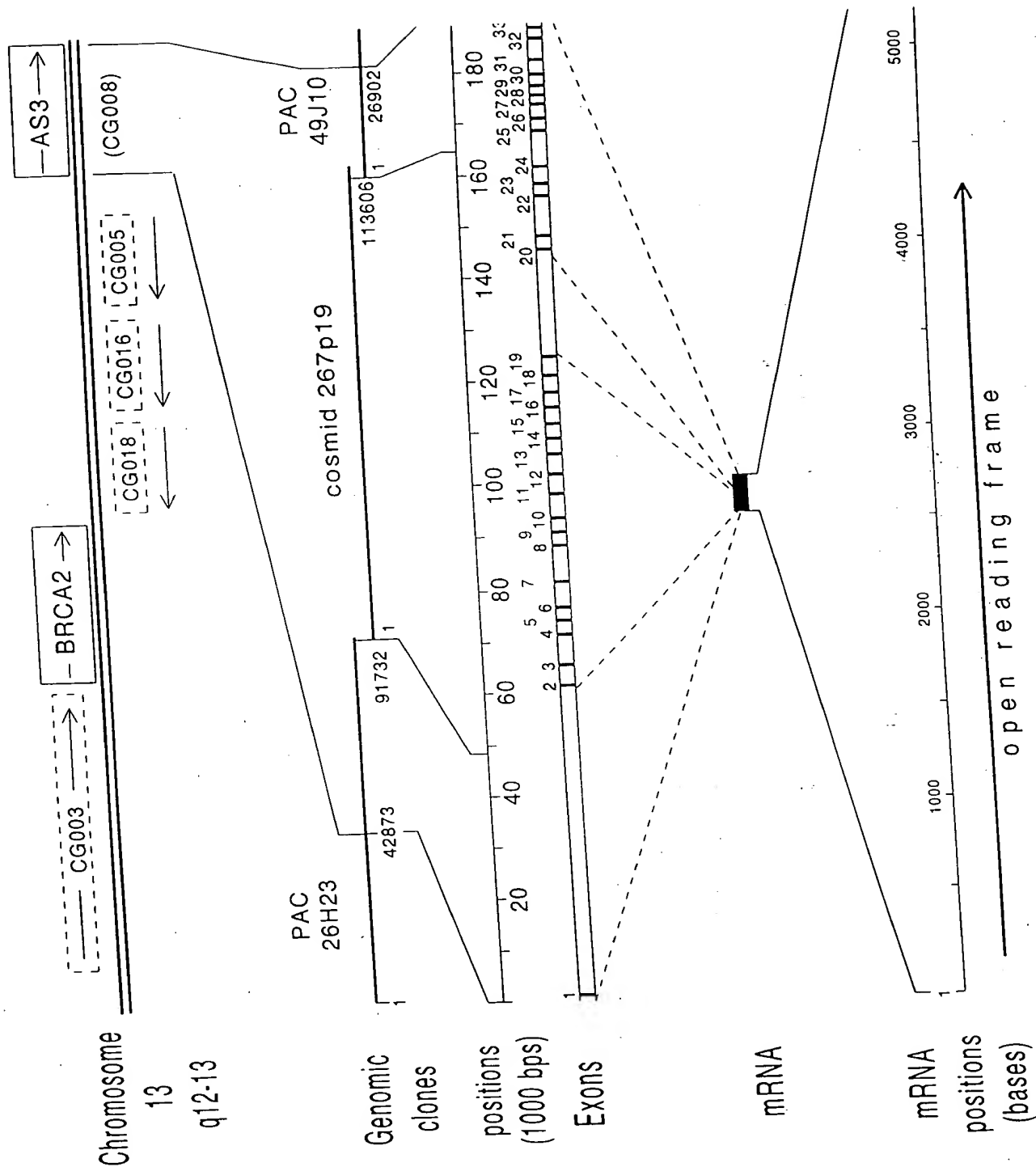


FIG. 4

4287 1 46 (42919)
 CCGGAGAG.... Exon 1ACCCGGAG * gga
 3347 47 173 (175)
ttttcttgcattcag * GGGTAGAA.... Exon 2GATTAAAG * gtagta...
 (16397) 174 377 (16602)
 ...ttttatttttgtag * ATGGTTGT.... Exon 3AACTAAAG * gcaagta...
 (22832) 378 464 (22920)
 ...tctttttttatttaag * GATATATT.... Exon 4TACTTGAG * gtaagca...
 (23028) 465 562 (23125)
ccttatttttag * AACATTGC.... Exon 5GTTATAAA * gtaagtt...
 (23747) 563 689 (23873)
ttttgaattgcag * CAATGGCC.... Exon 6CTCATAAG * gtgagta...
 (32357) 690 854 (32439)
tttatggttttcag * AATTTAAA.... Exon 7TTACCACT * gtaagtc...
 (37809) 855 911 (37951)
 ...ctttctctctcaaaag * TTTTITAA.... Exon 8AATTAAAG * gtaactt...
 (40437) 912 1027 (40554)
ttttatttttag * AGCAATGA.... Exon 9TTGGGCAG * gtatatg...
 (43428) 1028 1122 (43524)
 ...tttatattttatcag * GTTAAATG.... Exon 10....CTTAACAG * gtactat...
 (48471) 1123 1268 (48617)
tggtatctttcag * AGTATCTT.... Exon 11....ACAAACGA * gtaagta...
 (51727) 1269 1420 (51880)
tttttggttttaag * TGGAGAGT.... Exon 12....GATGATCG * gtaagtt...
 (53049) 1421 1534 (53164)
 ...tctgctttttttag * ACTACTTG.... Exon 13....GCTGTGAA * gtatggt...
 (58816) 1535 1616 (58898)
tttggtgttttcag * AGCATTGA.... Exon 14....AACCCTAA * gtaagta...
 (61447) 1617 1665 (61497)
 ...ttgtgtgatttacag * ACAGATGC.... Exon 15....TATTACAA * gtaagtt...
 (64323) 1666 1805 (64464)
ttttattttaag * GAAATTTA.... Exon 16....GTTGTGTG * gtaagga...
 (65916) 1806 1921 (66033)
 ...taatctgtatttacag * CGTGAAAT.... Exon 17....TCTATCAG * gtatttg...
 (71527) 1922 2027 (71633)
 ...ttggtcatatttttag * TGCTCTTA.... Exon 18....TGCTTAAG * gtaagta...
 (74539) 2028 2188 (74700)
 ...tgattcatttttag * GTACTCTC.... Exon 19....ATCAGATC * gtgagtt...
 (96694) 2189 2312 (96818)
tttttttttaag * AGCCTTGC.... Exon 20....TATTTGAG * gtaatga...
 (99765) 2313 2471 (99925)
 ...tccccctcattttcag * CCTCTGCA.... Exon 21....ATGATCGG * gtaattt...
 (105674) 2472 2540 (105744)
 ...ctcgtttatttttag * CTTCCAGG.... Exon 22....TGGTCAAA * gtgagta...
 (107185) 2541 2677 (107322)
 ...ttgtctcttaaatag * ATTCAGGC.... Exon 23....AAAATTAG * gtatgca...
 (110571) 2678 2801 (110696)
 ...ctactcatttttcag * TAAACCAG.... Exon 24....CTATCAAC * gtaagga...
 (4319) 2802 3006 (4524)
ttgtgtcttttacag * GATGAATG.... Exon 25....TGTTAGTG * gtaagca...
 (6829) 3007 3121 (6945)
ttttcttttcag * AAAAATTA.... Exon 26....GTAAAGA * gtaagac...
 (9074) 3122 3254 (9208)
tttttttttttag * ATGTCTTT.... Exon 27....TGAATGAA * gtatgta...
 (9522) 3255 3374 (9642)
tatactattgcag * AAACGTGA.... Exon 28....CTGACAAG * gtagtta...
 (10614) 3375 3437 (10679)
 ...ttctcttggttag * AATTTCAG.... Exon 29....CTGGAAAA * gtatggt...
 (11561) 3438 3583 (11709)
 ...catttctcatttcag * CCTAAAC.... Exon 30....AAGGGGAG * gtaagt...
 (15476) 3584 3689 (15583)
 ...tgtctgtattaaaag * GCTTGATA.... Exon 31....TTGTAAGG * gtgagat...
 (21107) 3690 4129 (21548)
ttttttttccctag * TCTGAATT.... Exon 32....CAGCAGAG * gtaagca...
 (21640) 4130 4354 (21866)
 ...tcttccccaaagcag * AGCAGAAT.... Exon 33....TACACTAG * gtaagat...
 (26002) 4355 5253 (26902)
ctttccttttaag * GTACGGCG.... Exon 34....GAATGAGT * (poly-A)

FIG. 5

1 CGGAGAGGAGGAGGAACGGCAGGCTGGCTGCGGAAGGGGAGGGGGGGGAGAGGCGATTGGATGCGGCGGCGGCGGATCCCGGAGAGCCCCGGAG

101 TGAGCGGAGTAGCGAGTCGGCAACCCGGAGGGGTAGAAATATTTCTGTCTGGCTCATTCAAAGACTAGGACCAATGATGGAAAAATACATATCCGCCT
MetAlaHisSerLysThrArgThrAsnAspGlyLysIleThrTyrProPro 17

201 GGGGTCAAGGAAATATCAGATAAAATATCTAAAGAGGAGATGGTGAGACGATTAAAGATGGTTGTGAAAACCTTTATGGATATGGACCAAGGACTCTGAAG
GlyValLysGluIleSerAspLysIleSerLysGluGluMetValArgArgLeuLysMetValValLysThrPheMetAspMetAspGlnAspSerGluG 51

301 AAGAAAAGGAGCTTTATTTAAACCTAGCTTTACATCTTGCTTCAGATTTTTTCTCAAGCATCTGGTAAAGATGTTGCTTACTGGTAGCCTGCTGCCT
luGluLysGluLeuTyrLeuAsnLeuAlaLeuHisLeuAlaSerAspPhePheLeuLysHisProGlyLysAspValArgLeuLeuAlaCysLysLe 84

401 TGCTGATATTTTCAAGGATTATGCTCTGAAAGCTCCTTACACATCCCTGATAAACTAAAGGATATATTTATGTTTATAACAAGACAGTTGAAGGGGCTA
uAlaAspIlePheArgIleTyrAlaProGluAlaProTyrThrSerProAspLysLeuLysAspIlePheMetPheIleThrArgGlnLeuLysGlyLeu 117

501 GAGGATACAAAGAGCCCAATTCATAGGTATTTTATTTACTTGAGAACATTGCTTGGGTCAAGTCATATAACATATGCTTTGAGTTAGAAGATAGCA
GluAspThrLysSerProGlnPheAsnArgTyrPheTyrLeuLeuGluAsnIleAlaTrpValLysSerTyrAsnIleCysPheGluLeuGluAspSerA 151

601 ATGAAATTTTCAACCCAGCTATACAGAACCTTATTTTCAGTTATAAACAATGGCCACAATCAGAAAGTCCATATGCACATGGTAGACCTTATGAGCTCTAT
snGluIlePheThrGlnLeuTyrArgThrLeuPheSerValIleAsnAsnGlyHisAsnGlnLysValHisMetHisMetValAspLeuMetSerSerIl 184

701 TATTTGTGAAGGTGATACAGTGTCTCAGGAGCTTTTGGATACGGTTTGTAGTAATCTGGTACCTGCTCATAGAATTTAAACAAGCAAGCATATGATTG
eIleCysGluGlyAspThrValSerGlnGluLeuLeuAspThrValLeuValAsnLeuValProAlaHisLysAsnLeuAsnLysGlnAlaTyrAspLeu 217

801 GCAAAGGCTTTACTGAAGAGGACAGCTCAAGCTATTGAGCCATATATTACCACTTTTTTAAATCAGGTTCTGATGCTTGGGAAAACATCTATCAGCGATT
AlaLysAlaLeuLeuLysArgThrAlaGlnAlaIleGluProTyrIleThrPheLeuLeuGluCysValLysPheAlaSerHisCysLeuMetAsnHisProAspLeuAlaLysAspL 251

901 TGTCAGAGCATGCTTTGACTTAATTTTGGAGCTCTACAAATTTGATAGTCATTGCTGCTCTGTTTTACCCAGCTTGAATTTAAATTAAGAGCAA
euSerGluHisValPheAspLeuIleLeuGluLeuTyrAsnIleAspSerHisLeuLeuLeuSerValLeuProGlnLeuGluPheLysLeuLysSerAs 284

1001 TGATAATGAGGAGCGCTACAAAGTTGTTAAACTACTGGCAAAAATGTTTGGGGCAAAGGATTGAGAAATGGCTTCTCAAACAGCCACTTTGGCAGTGC
nAspAsnGluGluArgLeuGlnValValLysLeuLeuAlaLysMetPheGlyAlaLysAspSerGluLeuAlaSerGlnAsnLysProLeuTrpGlnCys 317

1101 TACTTGGGCAGGTTAATGATATCCATGTACCAATCCGCTGGAATGTGTAAATTTGCTAGCCATTGTCTCATGAACCATCTGATTAGCAAAAGACT
TyrLeuGlyArgPheAspIleHisValProIleArgLeuGluCysValLysPheAlaSerHisCysLeuMetAsnHisProAspLeuAlaLysAspL 351

1201 TAACAGAGTATCTTAAAGTGAGGTACATGACCTGAGGAGCTATTAGACATGATGTTATTGTGTCAATAGTTACAGCTGCTAAAAAGGATATTTCTCT
euThrGluTyrLeuLysValArgSerHisAspProGluGluAlaIleArgHisAspValIleValSerIleValThrAlaAlaLysLysAspIleLeuLe 384

1301 GGTCATGATCACTTACTTAATTTTGTGAGAGAGAGAACATTAGACAAACGATGAGAGTACGCAAGAGGCCATGATGGGACTTGCCCAAAATTTATAAG
uValAsnAspHisLeuLeuAsnPheValArgGluArgThrLeuAspLysArgTrpArgValArgLysGluAlaMetMetGlyLeuAlaGlnIleTyrLys 417

1401 AAATATGCTTTACAGTCAGCAGCTGGAAAAGATGCTGCAAAACAGATAGCATGGATCAAAGACAAATGCTACATATATATTCAAATAGTATTGATG
LysTyrAlaLeuGlnSerAlaAlaGlyLysAspAlaAlaLysGlnIleThrTrpIleLysAsnLysLeuLeuHisIleTyrTyrGlnAsnSerIleAspA 451

1501 ATCGACTACTTGTGAACGGATCTTTGCTCAATACATGGTTCCTCACAATTTAGAACTACAGAACGGATGAATGCTTATATTACTTGTATGCCACACT
spArgLeuLeuValGluArgIlePheAlaGlnTyrMetValProHisAsnLeuGluThrThrGluArgMetLysCysLeuTyrTyrLeuTyrAlaThrLe 484

1601 GGATTTAAATGCTGTGAAAGCATTGAATGAAATGTGGAATGTCAAAATCTGCTCCGACATCAAGTAAAGGATTGCTTGACTTGATTAAGCAACCCAAA
uAspLeuAsnAlaValLysAlaLeuAsnGluMetTrpLysCysGlnAsnLeuLeuArgHisGlnValLysAspLeuLeuAspLeuIleLysGlnProLys 517

1701 ACAGATGCCAGTGTCAAGGCCATATTTCAAAGTGGTTATTACAAGAAATTTACCTGATCCTGGTAAGGCTCAGGATTTTCATGAAGAAATTCACAC
ThrAspAlaSerValLysAlaIlePheSerLysValMetValIleThrArgAsnLeuProAspProGlyLysAlaGlnAspPheMetLysLysPheThrG 551

1801 AGGTGTTAGAAGATGATGAGAAAATAAGAAAGCAGTTAGAAGTACTTGTAGTCCAACATGCTCCTGCAAGCAGGCTGAAGGTTGTGTCGTGAAATAAC
InValLeuGluAspAspGluLysIleArgLysGlnLeuGluValLeuValSerProThrCysSerCysLysGlnAlaGluGlyCysValArgGluIleTh 584

1901 TAAGAAGTTGGGCAACCCCAACAGCCTACAAATCTTCTGGAATGATCAAGTTCTCTTGAGAGAGGATAGCACCTGTGCATAGATACCGAATCT
rLysLysLeuGlyAsnProLysGlnProThrAsnProPheLeuGluMetIleLysPheLeuLeuArgHisGlnValLysAspLeuLeuAspLeuIleLysGlnProLys 617

2001 ATCAGTGTCTTTAATAACAGTGAACAAATCAATAGATGGAACAGCAGATGATGAAGATGAGGGTGTCCAACATGATCAAGCCATCAGAGCAGGTCTTG
IleSerAlaLeuIleLysGlnValAsnLysSerIleAspGlyThrAlaAspAspGluAspGluGlyValProThrAspGlnAlaIleArgAlaGlyLeuG 651

2101 AACTGCTTAAGGTACTCTCATTTACACATCCCATCTCATTTCTGCTGAAACATTTGAATCATTACTGGCTTGTCTGAAAATGGATGATGAAAAAGT
luLeuLeuLysValLeuSerPheThrHisProIleSerPheHisSerAlaGluThrPheGluSerLeuLeuAlaCysLeuLysMetAspAspGluLysVa 684

2201 AGCAGAAGCTGCACTACAAATTTTCAAAACACAGGAAGCAAATTTGAAGAGGATTTCCACACATCAGATCAGCCTTGCTTCTGTTTACATCACAAA
lAlaGluAlaAlaLeuGlnIlePheLysAsnThrGlySerLysIleGluGluAspPheProHisIleArgSerAlaLeuLeuProValLeuHisHisLys 717

2301 TCTAAAAAGGACCCCGCTCAAGCCAAATATGCCATTGATGATCCATGCGATATTTCTAGTAAAGAGACCCAGTTTGCACAGATATTTGAGCCTC
SerLysLysGlyProProArgGlnAlaLysTyrAlaIleHisCysIleHisAlaIlePheSerSerLysGluThrGlnPheAlaGlnIlePheGluProL 751

2401 TGCATAAGAGCCTAGATCCAAGCAACCTGGAACATCTCATAACACCATTGGTTACTATTGGTCATATTGCTCTCCTTGCACCTGATCAATTTGCTGCTCC
euHisLysSerLeuAspProSerAsnLeuGluHisLeuIleThrProLeuValThrIleGlyHisIleAlaLeuLeuAlaProAspGlnPheAlaAlaPr 784

2501 TTGGAATCTTGGGTAGCTTACTTTCAATGTGAAGCATCTTCTCATGAATGATCGGCTTCCAGGAAAAAGACAACTAACTTTGGGTCCAGATGAAGAA
oTrpLysSerTrpValAlaThrPheIleValLysAspLeuLeuMetAsnAspArgLeuProGlyLysLysThrThrLysLeuTrpValProAspGluGlu 817

2601 GTATCTCCTGAGACAATGGTCAAAATTCAGGCTATTAAATGATGGTTCGATGGCTACTTGAATGAAAAATATCAGAGTAAATCAGGAACCTTCTACCT
ValSerProGluThrMetValLysIleGlnAlaIleLysMetMetValArgTrpLeuLeuGlyMetLysAsnAsnHisSerLysSerGlyThrSerThrL 851

2701 TAAGATTGCTAAACAATATTTGCATAGTGTGAGACTTGACAGAACAGGGGAAAAATAGTAAACAGATATGTCACGCTGAGACTTGTGCTGGGAG
euArgLeuLeuThrThrIleLeuHisSerAspGlyAspLeuThrGluGlnGlyLysIleSerLysProAspMetSerArgLeuMetAspAspGluLysVa 884

2801 TGCTATTGTGAAGCTGGCACAAGAACCCTGTTACCATGAAATCATCACATTAGAACAATATCAGCTATGTGCATTAGCTATCAACGATGAATGCTATCAA
rAlaIleValLysLeuAlaGlnGluProCysTyrHisGluIleIleThrLeuGluGlnTyrGlnLeuCysAlaLeuAlaIleAsnAspGluCysTyrGln 917

2901 GTAAGACAAGTGTGTCGCCAGAACTTCACAAAGGCTTTCCCGTTTACGGCTTCCACTTGAGTATATGGCAATCTGTGCCCTTTGTGCAAAAGATCCTG
ValArgGlnValPheAlaGlnLysLeuHisLysGlyLeuSerArgLeuArgLeuProLeuGluTyrMetAlaIleCysAlaLeuCysAlaLysAspProv 951

3001 TAAAGGAGAGAAGAGCTCATGCTAGGCAATGTTTGGTGAAAAATATAATGTAAGCGGGAGTATCTGAGCAGCATGAGCTGTTAGTGAAAAATATT
alLysGluArgArgAlaHisAlaArgGlnCysLeuValLysAsnIleAsnValArgArgGluTyrLeuLysGlnHisAlaAlaValSerGluLysLeuLe 984

3101 GTCTCTTCTACCAGAGTATGTTGTTCCATATACAAATTCACCTTTTGGCACATGACCCAGATTATGTCAAAGTACAGGATATTGAACAACCTTAAAGATGTT
uSerLeuLeuProGluTyrValValProTyrThrIleHisLeuLeuAlaHisAspProAspTyrValLysValGlnAspIleGluGlnLeuLysAspVal 1017

3201 AAAGAAATGCTTTGGTTTGTCTGGAATATTAATGGCTAAAAATGAAATAACAGTCACGCTTTTATCAGAAAGATGGTAGAAAATATTAAACAAACAA
LysGluCysLeuTrpPheValLeuGluIleLeuMetAlaLysAsnGluAsnAsnSerHisAlaPheIleArgLysMetValGluAsnIleLysGlnThrL 1051

FIG. 6-1

